

Features

- M23 female to flying leads, 12 conductors, multiple length options
- Black TPU overmolding, both shielded and unshielded cordsets, depending on the model
- Straight or right-angle connector options

Models

12-pin Single-Ended M23 Female Cordsets				
Model	Length	Dimensions (mm)	Pinout (Female)	
BC-M23F12-22-1	1 m (3.28 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black 12 = Violet
BC-M23F12-22-2	2 m (6.56 ft)			
BC-M23F12-22-5	5 m (16.4 ft)			
BC-M23F12-22-10	10 m (32.8 ft)			
BC-M23F12-22-15	15 m (49.2 ft)			
BC-M23F12-22-20	20 m (65.6 ft)			

12-pin Single-Ended M23 Female Right-Angle Cordsets				
Model	Length	Dimensions (mm)	Pinout (Female)	
BC-M23F12A-22-2	2 m (6.56 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black 12 = Violet
BC-M23F12A-22-5	5 m (16.4 ft)			
BC-M23F12A-22-10	10 m (32.8 ft)			

12-pin Single-Ended M23 Female Shielded Cordsets				
Model	Length	Dimensions (mm)	Pinout (Female)	
BC-M23F12-22-2-SFP	2 m (6.56 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black 12 = Drain + Braid
BC-M23F12-22-5-SFP	5 m (16.4 ft)			
BC-M23F12-22-10-SFP	10 m (32.8 ft)			

12-pin Single-Ended M23 Female Right-Angle Shielded Cordsets				
Model	Length	Dimensions (mm)	Pinout (Female)	
BC-M23F12A-22-2-SFP	2 m (6.56 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black 12 = Drain + Braid
BC-M23F12A-22-5-SFP	5 m (16.4 ft)			
BC-M23F12A-22-10-SFP	10 m (32.8 ft)			

Specifications

Current Rating

4 A

Voltage Rating

60 V DC

Minimum Bend Radius

>10× the outside diameter

AWG

22 AWG

Outer Diameter

6 mm

Connections

12-pin M23 female

Construction

Coupling nut: Nickel-plated brass

Terminal: Gold-plated brass

Jacket: PVC

Black TPU overmolding

Operating Conditions

Fixed installation: -40 °C to +85 °C (-40 °F to +185 °F)

Flexible installation: -25 °C to +85 °C (-13 °F to +185 °F)

Environmental Rating

IP67, IP68

Vibration and Mechanical Shock

Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 0.5 mm amplitude, 5 minutes sweep, 30 minutes dwell)

Shock: 30G 11 ms duration, half sine wave per IEC 60068-2-27

Certifications



Banner Engineering BV
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